A RESOLUTION

BY CITY UTILITIES COMMITTEE

01-R-0074

A RESOLUTION AUTHORIZING THE MAYOR OR HIS DESIGNEE TO APPROVE A NOTICE TO PROCEED WITH JORDAN, JONES AND GOULDING, INC./ENGINEERING DESIGN TECHNOLOGIES, INC., JV FOR FC-6710-96D, ANNUAL CONTRACT FOR ARCHITECTURAL AND ENGINEERING SERVICES TO PROVIDE FORCE MAIN EVALUATION SERVICES FOR THE SHORT TERM COLLECTION AND TRANSMISSION SYTEM OPERALTION PLAN FOR THE BOLTON ROAD, FLINT RIVER AND PHILIP LEE DRIVE WASTEWATER PUMP STATIONS ON BEHALF OF THE DEPARTMENT OF PUBLIC WORKS 1N AN AMOUNT NOT TO EXCEED TWO HUNDRED SEVEN THOUSAND THIRTY-SIX DOLLARS ($207,036.00); ALL CONTRACTED WORK SHALL BE CHARGED TO AND PAID FROM FUND ACCOUNT AND CENTER NUMBER: 2J01 524001 M57201.

WHEREAS, the City of Atlanta did enter into FC-6710-96D, Annual Contract for Architectural and Engineering Services; and

WHEREAS, the Department of Public Works is required to provide survey and designate the right away for the Bolton Road and Flint River Force Main, develop SOP's for the flushing and cleaning force mains, address wetlands issues in cleaing the Bolton Road Force Main Right Away, corrosion testing of force mains and pipe sleeves, design pipe access barriers at force main crossings, and develop specifications for force main repair methods and materials in an amount not to exceed Two Hundred Seven Thousand Thirty-six Dollars (207,036.00); and

WHEREAS, the Commissioner of the Department of Public Works and the Director of the Bureau of Purchasing and Real Estate have recommended that Jordan, Jones and Goulding, Inc./Engineering Design Technologies, Inc., JV, to provide pump station force main evaluation and;

NOW THEREFORE, BE IT RESOLVED BY THE COUNCIL OF THE CITY OF ATLANTA, GEORGIA, that the Mayor be and is hereby authorized to approved Notice To Proceed with Jordan, Jones, and Goulding/Engineering Design Technologies, Inc., JV for FC-6710-96D, Annual Contract for Architectural and Engineering Services in an amount not to exceed Two Hundred Seven Thousand Thirty-six Dollars.

BE IT FURTHER RESOLVED, that the Director of Purchasing be and is hereby directed to prepare an appropriate contractual agreement for execution by the Mayor, to be approved by the City Attorney as to form.

BE IT FURTHER RESOLVED, that this Notice to Proceed should not become binding on the City, and the City shall incur no liability upon same until such contract has been executed by the Mayor and delivered to the contracting party.

BE IT FINALLY RESOLVED, that all services for said Notice to Proceed shall be charged to and paid from fund account and center number 2J21 524001 M57201.

KOB (01/08/01)

CITY OF ATLANTA

BILL CAMPBELL
MAYOR

DIVISION OF WASTEWATER SERVICES
TECHNICAL SERVICES BRANCH
ENGINEERING
2440 BOLTON ROAD, N.W. • ATLANTA, GEORGIA 30318-1355
404 • 350-4981 FAX: 404 • 350-4951

DEPARTMENT OF PUBLIC WORKS
Norman A. Koplon, P.E.
Commissioner
David W. Peters, P.E.
Acting Deputy Commissioner

MEMORANDUM

DATE: November 29, 2000

TO: Felicia Strong-Whitaker, Director
Bureau of Purchasing and Real Estate

FROM: David Peters, P.E., Deputy Commissioner
Department of Public Works

REF: Sewage Force Main Evaluation for SSO Consent Order.

Enclosed is the final draft of JJ&G's scope of service to evaluate the force mains for the City of Atlanta's pump stations. The Short Term Collection and Transmission System Operational Plan require this work. This plan is a SSO consent order document, which has been approved by EPA. I request that you contract with JJ&G to perform these services under their existing contract to provide engineering services (FC-6710-96D).

The work involves surveying, right of way definition & environmental permitting, corrosion testing of the force mains and sleeves, developing force main flushing SOPs, developing pipe repair specifications and designing pipe access barriers for the City's three largest sewage force mains. This work was requested by the program management team to be performed under the JJ&G engineering services contract since they are familiar with the pumping stations and force mains.

If you have any questions, please give me a call.

Cc: Norman A. Koplon, P.E.
Keith Brooks
Pamelia Lewis
Bea Shell
John Reinhard
John Griffin
Tyler Richards
Joe Porter
John Reinhard, P.E.

Jordan Jones & Goulding INCORPORATED / Engineering Design Technologies, Inc.
A Joint Venture

2000 Clearview Avenue
Atlanta. Georgia 30340
Phone: (770) 455-8555 Fax: (770) 455-7391

November 22, 2000

By Facsimile 404-350-4951

Mr. John D. Reinhard, P.E.
Civil Engineer, Principal
Wastewater Services
City of Atlanta
2440 Bolton Road, NW
Atlanta, Georgia 30318

RE: Engineering Services Proposal for City of Atlanta Wastewater Pump Stations Force Main Evaluation for Short Term Collection & Transmission System Operational Plan - Scope of Work, Schedule & Budget (Revision 1)

Dear Mr. Reinhard:

Jordan, Jones & Goulding / Engineering Design Technologies (JJ&G/EDT) is pleased to submit this revised Scope of Services, schedule and engineering budget document to the City of Atlanta for the above project as requested by you in your letter dated August 5, 2000. This scope of work includes additional services as requested for compliance by the City with the approved Short Term Collection & Transmission System Operational Plan under the First Amended Consent Decree which are beyond the current services being provided through our current task orders for the wastewater pump stations projects. Revisions to the proposal are indicated in *italics*. We understand this proposal, if accepted, will be incorporated into a Task Order under the General Services Agreement FC-6710-96D.

Thank you for allowing JJ&G/EDT to propose these services to you. We are prepared to proceed immediately on these additional services upon its approval by the City. If you have any questions, please contact Mr. George Barnes or me.

Sincerely,

JORDAN, JONES & GOULDING, INC.

Neal D. Stubblefield, P.E.
Project Manager

NDS:pjw

Enclosure

Cc: Mr. Haywood Curry, President - Engineering Design Technologies
Mr. George Barnes, P.E. - Jordan, Jones & Goulding

SCOPE OF SERVICES
City of Atlanta Wastewater
Pump Stations Force Main Evaluation For Short Term Collection & Transmission System Operational Plan November 22, 2000

Scope of Work

JJ&G/EDT proposes to provide force main evaluation services for the Short Term Collection and Transmission System Operation Plan (STCTSOP) as requested in the City of Atlanta's RFP dated August 5, 2000, for the Bolton Road, Flint River and Philip Lee Drive Wastewater Pump Stations. Dimensions of the force mains are as follows: Bolton Road – 36" diameter, 3,000 linear feet; Flint River – 24" diameter, 30,300 linear feet; Philip Lee Drive – 42" diameter, 2,700 linear feet.

The present Scope of Services includes additional services as requested for compliance by the City with the EPA/EPD approved STCTSOP under the First Amended Consent Decree.

The Scope of Services includes the following tasks:

1. Survey and plat of sewer and current sewer right-of-way (ROW) of the Bolton Road transmission main (entire gravity and force main) and the Flint River force main (approximately 15,200 feet to high point transition to gravity main).
2. As a result of the survey activities for the transmission mains above, conduct real estate survey, title search and estimate of cost for the City to acquire additional ROW which may be needed to maintain sewer easements.
3. Conduct environmental permitting, design wetlands and/or stream crossings to assist the ROW clearance contractor for the Bolton Road transmission main (entire gravity and force main).
4. Develop standard operating procedure (SOP) for the Pump Stations SOP manual for pump station personnel to flush force mains for Bolton Road and Philip Lee Drive.
5. Corrosion testing of sewer main and their pipe sleeves adjacent to or crossing natural gas mains and under railroads and roads (state-controlled and interstate) for the gravity and force main transmission lines of each of the three stations.
6. Design pipeline access barriers for the Flint River transmission main at the South River crossing.
7. Develop specification of pipe repair materials for the City to purchase for the force mains at each of the three stations.

Specific Requirements and Assumptions

Task 1 – Bolton Road and Flint River Transmission Main and ROW Survey

1. "As Built" survey is to cover plan features only along the routes. For gravity sewers, manhole invert elevations will also be documented.
2. Using courthouse deed research, field evidence and old drawings and maps provided by the City, existing easements, property owners and rights-of-way along the routes will be established and shown.
3. A utility locator will be retained to establish and mark the location of the force mains.
4. A topographic survey will be developed where the Flint River pump station force main crosses the South River near Jonesboro Road. An area of 50 feet square is assumed on each side of the river at the banks at the exposed ends of the pipeline.
5. Assume 50-foot wide easement corridor.
6. Assume +/- 40 parcels/mile.
7. Assume +/-10% of parcels will need an easement plat.
8. Assume gravity portion of Bolton Road is mostly wooded and undeveloped with very little planimetric features.
9. Deliverables will be special purpose survey drawings and easement plats.

Task 2 –Bolton Road and Flint River ROW Real Estate Evaluation Activities

1. Title research is based on the assumed number of parcels noted above.
2. Strip-taking appraisals only will be required.
3. Appraisal reviews, property negotiations, closings or condemnations, and administration are not included. Acquistion of parcels is contemplated under separate scope of work.
4. Deliverables will be title reports and appraisals of parcels to be acquired.

Task 3 – Bolton Road ROW Clearance Contractor Assistance

1. Temporary access roads during construction are anticipated. Based on recent experience with very similar projects, the following tasks are expected to be required: delineation of jurisdictional boundaries along the project, obtaining a Nationwide Permit for jurisdictional impacts, if any, that would result from the project, and documenting that a stream buffer variance is not required for this activity.
2. Desktop studies of resources to identify potential jurisdictional areas and protected species habitat within the project area will be completed prior to field studies. These studies will include review of topographic maps, appropriate literature, and available aerial photography. All potential jurisdictional areas and protected species habitat will be identified prior to conducting the field studies. A protected species table that

includes species, conservation status, and preferred habitat will be prepared prior to the field studies. The protected species list will include any federal or state listed species known to occur in the project area.

3. The project map developed during the office studies will be used to review the project area for protected species and jurisdictional areas.
4. Information gathered during the office studies will be used to assist in conducting the field surveys. Survey methodologies will vary depending on which protected species are known to occur within the project area. Potential protected species habitat will be mapped while in the field.
5. Studies will be performed to delineate and to classify jurisdictional wetlands and waters of the United States, as required in the three-parameter methodology outlined in the 1987 *Federal Manual*. This methodology is required by the ACOE to identify jurisdictional areas and to satisfy Section 404 permit requirements. The following tasks will be performed:

   - Identify all wetland boundaries using wetland flagging. Flags will be numbered and identified with a wetland designation (example: Area A - #1). The boundaries of each wetland will be drawn on the field map.
   - Identify all jurisdictional waters and take width measurements of average high water for every water. Indicate jurisdictional water locations and extent on the field map.
   - Following completion of the field effort, a map showing the approximate location of all jurisdictional boundaries will be prepared and transmitted to the survey crew.
   - Complete field data forms for each separate jurisdictional system. Complete field data form for upland habitats adjacent to each wetland data point. Vegetation, soils and hydrology will be documented on the data forms. After the field work, formal wetland data sheets will be completed using wetform software.
   - Classify each system following Cowardin *et al.* and provide a qualitative description of the system.

6. A Technical Memorandum will be prepared following the field studies. Information provided in the memorandum will include a discussion of jurisdictional areas, results of the protected species assessment, anticipated Section 404 permit requirements, and state and county stream buffer requirements.
7. Based on project understanding and past project experience, jurisdictional impacts resulting from the rehabilitation project should be eligible for a Nationwide Permit (NWP) from the ACOE. More than likely, proposed impacts would qualify for NWP 12 (utility line discharges). It is anticipated that use of this permit will require submitting a Pre-Construction Notification (PCN). If permanent forested wetland clearing occurs as a result of the project, a wetland mitigation plan must be included in the PCN. This scope assumes that wetland mitigation would be purchased from an approved bank and would not involve the development of a mitigation plan. We will prepare and coordinate the NWP process.
8. The ACOE normally requires a jurisdictional boundary verification prior to proceeding with any subsequent permitting. We will arrange and attend a site visit

with the ACOE representative for this area. It is anticipated that the verification will not exceed a 1-day site visit.

9. ROW Clearance contract administration, construction management and inspection services are not included – these activities would be additional services.

Task 4 – Bolton Road and Philip Lee Drive Force Main Flushing Standard Operating Procedure

1. A separate SOP will be developed for each pump station using the current graphic format.
2. Activities include a site visit per station, SOP development and review with pump station operations staff and other City representatives.

Task 5 – Natural Gas Pipeline and Sewer Main Crossing Pipe Sleeve Corrosion Testing

1. Prior to beginning the fieldwork, a meeting will be held with the City's engineering and maintenance staffs. Information to be gathered from the engineering staff and subsequent review of documents would include pipe routing, depth, gas main crossings, valves, pipe material, external coatings, internal linings, joint seals and backfill practices. Maintenance personnel would be asked about any past repairs and the condition of pipes exposed for taps, if any have been made. Once this historical information has been obtained, a series of site tests will be conducted.
2. Using piping plans provided by the City, the starting and ending point of each pipeline would first be identified. An electronic locator would then be used to trace out each pipe. Flags would be placed on 200-foot centers along the route. At each flag, the depth of the pipe will be recorded, as will a GPS coordinate. This data will also be recorded at each valve, gas main crossing and road crossing. Once the pipe route has been marked, electro-chemical potentials will be recorded along the pipe.
3. To detect the changes in potential, a copper/copper-sulfate reference cell and a high impedance voltmeter are used. The reference cell is placed in contact with the soil at the origin of each pipe under test. A lead wire is then connected from that cell to the negative terminal of the voltmeter. The positive voltmeter terminal is then connected to a lead wire which is attached to a second calibrated reference cell. The tester then walks along the line placing the second or "traveling" cell over the pipe on 2-½ foot intervals. The voltmeter will then register a voltage difference between the two (2) cells which is recorded. Because of the volume of data involved, a special data logger with a built in voltmeter circuit is used to record the readings. The data logger is set to automatically record potentials at 2 ½ foot intervals. The distance traveled is monitored by an electronic chainer connected to the trailing wire running back to the stationary cell. For the Bolton Road and Philip Lee force mains, a single run would be made. Because of the distance involved on the Flint River force main, the stationary cell would need to be repositioned twice. The data logger records the potential and corresponding distance traveled automatically. Special alignment features such as roads, pipeline crossings and valves are entered into the data logger

during the survey.

4. Once the data on a pipeline has been gathered, it is down loaded in the field into a lap top computer. The potentials are then plotted verses distance traveled. Areas of active galvanic corrosion will be indicated by peaks in the negative direction, with potential depressions to either side. Stray current would be indicated by a downward peak, with sharp pick-up peaks to either side. The graphs would be reviewed for areas of greatest contrast, which would indicate those subject to the greatest corrosion activity. The stationing of these areas would then be recorded.
5. Using a survey wheel, the stationing of areas of active corrosion would be located in the field. The points will be staked and GPS coordinates recorded. On Bolton Road and Philip Lee force mains, two (2) locations indicating active galvanic corrosion on each main will be staked as being representative. On the Flint River force main, five (5) locations will be selected and staked. In addition, locations of stray current will be staked. Once all three (3) lines have been evaluated and areas of likely corrosion activity have been marked, plans must be made to excavate each location.
6. The City would provide the labor and equipment necessary to excavate a ten (10) foot segment of main at each of the identified locations. There would be a minimum of nine (9) excavations. Two (2) excavations would be made at a time, and shored by the City for safe entrance. Once the excavations are prepared, both exposed pipe segments. The examination will first involve cleaning the exterior of the exposed pipe. A photograph of each excavation will then be obtained. The corrosion product will then be removed from the pipe, and the pits will be cleaned. A pit depth gauge will then be used to measure the amount of external metal loss in each pit. A drawing will be made of the exposed pipe showing the orientation of the pitting and depth of penetration. An ultrasonic meter will then be used to determine the wall thickness of the pipe, and to detect any internal corrosion. Three (3) sets of ultrasonic readings will be obtained on the pipe in each excavation. The sets of readings will be obtained at the center of the excavation, and three (3) feet to both sides. At each of these points, eight (8) ultrasonic measurements will be made at even spacings around the pipe. If internal corrosion is detected on the upper wall due to H_2S, additional measurements will be made to define the area of loss. Two (2) soil samples will also be obtained from each excavation representing the top and bottom of the pipe. Once both excavations are examined, they can be backfilled and the next two (2) sites excavated. This process will continue until all of the sites have been examined. It will take one (1) day to examine two (2) excavations. It is assumed it will take one (1) day for the City to backfill the two (2) sites and excavate two (2) additional points. It may be of benefit to have the City crew excavate two (2) points while the inspection is occurring in the previous excavations. This will significantly reduce the duration of the excavating.
7. Once the field data has been obtained, a comprehensive assessment report will be prepared. The soil samples obtained from within the excavations will be submitted to an independent, local, certified soils laboratory for analysis. The soil will be tested for pH, moisture, redox, conductivity, sulfates and chlorides. This data will be correlated with actual metal loss, and can be used by the City to anticipate corrosion on future

mains. It will take two (2) weeks to process the soil samples. The final report will be of the executive summary format and will include a summary, introduction, test procedures, results & analysis and appendices. The summary will include brief objectives, conclusions and recommendations. The introduction section will provide a detailed description of each pipeline along with historical information. The test procedures section provides a description of the test methods and instruments used. The results and analysis provides a detailed analysis of the field data, including discussions on excavation site selection and field inspection results. The corrosion rate for each excavation will be calculated, as well as remaining minimum wall thickness. The appendices will include potential graphs, excavation drawings, ultrasonic reading, soil analysis and photographs.

8. *Testing will be conducted along the pipeline lengths indicated to identify natural gas pipeline and other sources of stray current produced by cathodic protection systems (eg. underground storage tanks, etc.).*
9. *Corrosion testing of pipe sleeves will occur only at the ends of sleeves – not within the length of the sleeves themselves. Excavations as described above will be made at these terminations. Corrosion potential measured at either end of the sleeve penetration will be compared to up- and downstream potentials on the same lines.*
10. *Observed gas pipeline cathodic systems influencing the City's sewer pipelines will be identified and cataloged for reporting to the City and the natural gas utility.*

Task 6 – Flint River Transmission Main Access Barriers Design

1. Survey activities noted above will provide background for designing access barriers at South River crossing of the 24" Flint River gravity main.
2. Deliverables will be drawings and specifications of barriers to be used by the City or its contractor. It is anticipated that these documents will be provided to an existing Department of Transportation contractor.
3. No procurement activities are included.

Task 7 – Force Main Pipe Repair Purchase Specifications

1. Deliverables will be specifications of piping, fittings, sleeves, saddles and other such items as may be needed by the City to make repairs to existing pipelines. A bill of materials itemizing quantities would be extra services and is not included.
2. No procurement activities are included.

General Items

1. Drawings will be provided for design projects using JJ&G/EDT standard format in AutoCAD Release 14.0 or 2000i on a standard sheet size of 24" x 36". Technical specifications will be JJ&G/EDT standard CSI three-part format in Microsoft Word 98/2000. The City will provide their standard Division 0 and 1 front-end documents. Twenty-five sets of bidding documents and one set of reproducibles will be furnished to

the City; additional sets of documents will be furnished at cost. Ten additional sets of final drawings and specifications to be provided to the City for internal and code review.

2. Twenty-five sets of SOPs will be furnished to the City; additional sets will be furnished at cost.
3. All permit application and other permitting fees will be paid by the City or the selected construction contractor.
4. City will provide all available design, construction, operations, maintenance and other such documents as may be needed to conduct this evaluation. JJ&G/EDT will try to locate and copy additional documents not available from the City. JJ&G/EDT will be responsible for the timely return of all such materials to the City.
5. Geotechnical and testing services for design and construction activities shall be provided by the City under existing general services contracts.
6. Excavation, traffic control and restoration of excavated areas will be provided by City forces or a contractor retained by the City.
7. Updating of the City's GIS mapping database is additional services.

Project Staffing

JJ&G/EDT proposes to utilize Neal Stubblefield as the Project Manager and Clay Ellis as the Construction Project Manager. Mr. Ellis will coordinate the ROW clearance contractor for the Bolton Road force main and corrosion testing of the gas mains and wastewater transmission line pipe sleeves. Bill Young, P.E., will be the lead environmental process engineer with quality control being provided by Tommy Miller, P.E. Mark Ballard, senior ecologist, will coordinate environmental permitting activities. *Real estate evaluation will be provided by Smith Real Estate Services, Atlanta; John Lavelle will manage Smith's portion of the work.* Corrosion Control, Inc., *Rutledge, Georgia* will provide corrosion assessment of the transmission main sleeves and pipelines near the adjoining or crossing natural gas mains. *Craig Meier will manage Corrosion Control's portion of the work.*

Project Schedule

The proposed services are contemplated over the following schedules – *all assume a start date of January 2001*:

Task Element	*Duration*	*Target Completion*
• **Bolton Road Pump Station –**		
ROW survey & mapping	5 months	June 30, 2001
Real estate evaluation	3 months	September 30, 2001
Gas main and pipe sleeve corrosion testing	8 months	December 31, 2001
Force main flushing SOP	2 months	February 28, 2001

Pipe repair materials specification	2 months	February 28, 2001
ROW clearance contractor coordination	6 months	June 30, 2002
• **Flint River Pump Station -**		
ROW survey & mapping	3 months	June 30, 2001
Real estate evaluation	3 months	September 30, 2001
Gas main and pipe sleeve corrosion testing	8 months	December 31, 2001
Design South River access barriers	2 months	February 28, 2001
Pipe repair materials specification	2 months	February 28, 2001
• **Philip Lee Drive Pump Station -**		
Gas main and pipe sleeve corrosion testing	4 months	December 31, 2001
Force main flushing SOP	2 months	February 28, 2001
Pipe repair materials specification	2 months	February 28, 2001

Fee

JJ&G/EDT will perform the work described in this Scope of Work for an estimated fee of $207,000. The fee is based on 18 months project duration. These services will be provided on an "hourly maximum" basis, i.e. charges will be for time spent and expenses, up to the maximum fee amount. The fee will not be exceeded without prior approval from the City. Compensation for services will be on the basis of Standard Hourly Billing Rates allowed under General Services Agreement FC-6710-96D for staff directly involved with the project plus direct expenses. The estimated fee will not be exceeded without prior approval from the City. Additional services requested by the City will be charged on an hourly basis.

Fees will be invoiced monthly on a progress basis and will include a narrative report of work accomplished.

City of Atlanta Wastewater Pump Stations Force Main Evaluation Services

Fee Summary
Date:
11/22/00

Task	Task Description	Manhours	Hourly Rate, $	Total, $	Task Subtotal, $	
1	**Bolton Rd & Flint River Transmission Main and ROW Survey**				135,276	2J01
	1. Project Director	24	110	2,640		
	2. Senior Engineer / Registered Land Surveyor	100	87	8,700		
	3. Engineer 4	160	70	11,200		
	4. 3-person Survey Crew	600	138	82,800		
	5. Designer	124	71	8,804		
	6. CAD Operator	84	59	4,956		
	7. Clerical	4	44	176		
	8. Expenses (including Utilities Locator Services)			16,000		
2	**Bolton Rd & Flint River ROW Real Estate Evaluation Activities**			-	11,736	2J01
	1. Project Director	4	110	440		
	2. Engineer 4	16	70	1,120		
	3. Clerical	4	44	176		
	4. Expenses (including Real Estate Evaluation)			10,000		
3	**Bolton Rd ROW Clearance Contractor Assistance**			-	13,984	2J01
	1. Construction Manager	16	96	1,536		
	2. Engineer 5	8	84	672		
	3. Engineer 4	114	70	7,980		
	4. Engineer 3	52	60	3,120		
	5. Clerical	4	44	176		
	6. Expenses			500		
4	**Bolton Rd & Philip Lee Dr Force Main Flushing SOP**			-	6,468	2J01
	1. Project Director	4	110	440		
	2. Senior Engineer	40	87	3,480		
	3. Engineer 3	32	60	1,920		
	4. Clerical	12	44	528		
	5. Expenses			100		
5	**Natural Gas Pipeline & Sewer Main Crossing Pipe Corrosion Testing**				29,296	2J01
	1. Project Director	8	110	880		
	2. Engineer 4	32	70	2,240		
	3. Clerical	4	44	176		
	4. Expenses (including Corrosion Evaluation)			26,000		
6	**Flint River Transmission Main Access Barriers Design**				6,580	2J21
	1. Project Director	4	110	440		
	2. Engineer 4	40	70	2,800		
	3. Designer	40	71	2,840		
	4. Expenses			500		
7	**Force Main Pipe Repair Purchase Specifications**				3,696	2J21
	1. Project Director	2	110	220		
	2. Engineer 4	40	70	2,800		
	3. Clerical	4	44	176		
	4. Expenses			500		
Totals		**1,676**		**$ 207,036**		

Allocations to Flint River Transmission Main:

Task 1	**33,819**
Task 2	**2,934**
Task 5	**9,414**
Task 6	**6,580**
Task 7	**924**
Sub-Total	**53,671**

Note: No allocations to Tasks 3 and 4

TRANSMITTAL FORM FOR LEGISLATION

TO: MAYOR'S OFFICE

Commissioner's Signature

ATTN: GREG PRIGDEON

Director's Signature

Originating Department: DPW

Contact Person: Keith Brooks X 6382

Committee(s) of Purview: City Utilities

Council Deadline: January 16, 2001

Committee Meeting Dates(s): January 30 & 31, 2001

Full Council Date: February 5, 2001

CAPTION

A RESOLUTION AUTHORIZING THE MAYOR OR HIS DESIGNEE TO APPROVE A NOTICE TO PROCEED WITH JORDAN, JONES AND GOULDING, INC./ENGINEERING DESIGN TECHNOLOGIES, INC., JV FOR FC-6710-96D, ANNUAL CONTRACT FOR ARCHITECTURAL AND ENGINEERING SERVICES TO PROVIDE FORCE MAIN EVALUATION SERVICES FOR THE SHORT TERM COLLECTION AND TRANSMISSION SYTEM OPERALTION PLAN FOR THE BOLTON ROAD, FLINT RIVER AND PHILIP LEE DRIVE WASTEWATER PUMP STATIONS ON BEHALF OF THE DEPARTMENT OF PUBLIC WORKS IN AN AMOUNT NOT TO EXCEED TWO HUNDRED SEVEN THOUSAND THIRTY-SIX DOLLARS ($207,036.00); ALL CONTRACTED WORK SHALL BE CHARGED TO AND PAID FROM FUND ACCOUNT AND CENTER NUMBER: 2J01 524001 M57201.

BACKGROUND

THIS WORK IS NECESSARY FOR COMPLIANCE WITH THE EPA/EPD APPROVED SHORT TERM COLLECTION AND TRANSMISSION SYSTEM OPERATION PLAN (STCTSOP) UNDER THE FIRST AMENDED CONSENT DECREE.

FINANCIAL IMPACT (if any) **$ 207,036.00**

Mayor's Staff Only

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Received by Mayor's Office: _____ (date)

Reviewed by: _____ (initials) (date)

Submitted to Council: _____ (date)

Action by Committee: _____Approved _____Adversed _____Held _____Amended

_____Substitute _____Referred _____Other